

20700ISeq List\_ST25.txt  
SEQUENCE LISTING

<110> Pfizer, Inc  
Dasseux, Jean-Louis  
Sekkul, Renate  
Buttner, Klaus  
Cornut, Isabelle  
Dufourcq, Jean

<120> Multimeric Apo A-I Agonist Compounds

<130> PC20700I

<140> 10/715,985

<141> 2003-11-17

<150> US 09/453,840

<151> 1999-12-01

<150> US 08/940,095

<151> 1997-09-27

<160> 258

<170> PatentIn version 3.4

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<222> (16)..(16)

<223> Xaa = Naphthylalanine

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Leu	Lys	Gln	Lys	Leu	Lys
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Gly	Val	Leu	Asp	Leu	Phe	Arg	Glu	Leu	Leu	Asn	Glu	Leu	Leu	Glu	Ala
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Leu Lys Gln Lys Leu Lys Lys  
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Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Glu Leu Leu Glu Trp  
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Leu Lys Gln Lys Leu Lys  
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Leu Lys Gln Lys Leu Lys  
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Leu Lys Gln Lys Leu Lys Lys  
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Leu Lys Gln Lys Leu Lys  
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Leu Lys Gln Lys Leu Lys  
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Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Glu Gly Leu Glu Ala  
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Leu Lys Gln Lys Leu Lys  
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Pro Val Leu Asp Leu Phe Arg Glu Leu Gly Asn Glu Leu Leu Glu Ala  
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Leu Lys Gln Lys Leu Lys  
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Leu Xaa Gln Xaa Leu Xaa

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Leu Lys Gln Lys Leu Lys  
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Leu Lys Gln Lys Leu Lys  
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Pro Val Leu Glu Leu Phe Lys Glu Leu Leu Gln Glu Leu Leu Glu Ala  
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Leu Lys Gln Lys Leu Lys  
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Leu Lys Gln Lys Leu Lys  
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Pro Val Leu Asp Leu Phe Arg Glu Gly Leu Asn Glu Leu Leu Glu Ala  
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Leu Lys Gln Lys Leu Lys  
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Leu Lys Gln Lys Leu Lys  
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<400> 22

Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Glu Leu Leu Glu Gly  
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Leu Lys Gln Lys Leu Lys  
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Pro Leu Leu Glu Leu Phe Lys Glu Leu Leu Gln Glu Leu Leu Glu Ala  
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Leu Lys Gln Lys Leu Lys  
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<400> 24

Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Glu Leu Leu Glu Ala  
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Leu Gln Lys Lys Leu Lys  
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Leu Lys Gln Lys Leu Lys  
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Leu Lys Gln Lys Leu Lys  
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Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Glu Leu Xaa Glu Ala  
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Leu Lys Gln Lys Leu Lys  
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Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Glu Leu Trp Glu Ala  
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Leu Lys Gln Lys Leu Lys  
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1 5 10 15

Leu Lys Gln Lys Leu Lys  
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Leu Lys Gln Lys Leu Lys  
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Pro Val Leu Asp Leu Phe Leu Glu Leu Leu Asn Glu Xaa Leu Glu Ala  
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Leu Lys Gln Lys Leu Lys  
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Xaa Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Glu Leu Leu Glu Ala  
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Leu Lys Gln Lys Leu Lys  
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Pro Val Leu Asp Leu Phe Arg Glu Lys Leu Asn Glu Leu Leu Glu Ala  
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Leu Lys Gln Lys Leu Lys

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Leu Lys Gln Lys Leu Lys  
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Leu Lys Gln Lys Leu Lys  
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<400> 36

Pro Leu Leu Glu Leu Leu Lys Glu Leu Leu Gln Glu Leu Leu Glu Ala  
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Leu Lys Gln Lys Leu Lys  
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20700ISeq List\_ST25.txt

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Leu Lys Gln Lys Leu Lys  
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Leu Lys Lys Lys Leu Lys  
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Leu Lys Gln Lys Leu Lys  
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Leu Lys Gln Lys Leu Lys  
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Leu Lys Gln Lys Leu Lys  
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Leu Lys Gln Lys Leu Lys  
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Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Glu Gly Leu Glu Ala Leu  
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Lys Gln Lys Leu Lys  
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Leu Lys Gln Lys Leu Lys  
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Pro Val Leu Asp Leu Phe Arg Asn Leu Leu Glu Lys Leu Leu Glu Ala  
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Leu Glu Gln Lys Leu Lys  
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Leu Lys Gln Lys Leu Lys  
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Leu Lys Gln Lys Leu Lys  
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Leu Lys Gln Lys Leu Lys  
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Val Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Glu Leu Leu Glu Ala  
 1 5 10 15

Leu Lys Gln Lys Leu Lys  
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Leu Lys Gln Lys Leu Lys  
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Pro Leu Phe Arg Glu Leu Leu Asn Glu Leu Leu Glu Ala Leu Lys Gln  
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Lys Leu Lys

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<400> 56

Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Glu Leu Leu Glu Ala  
1 5 10 15

Leu Lys Gln Lys Lys Lys  
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20700ISeq List\_ST25.txt

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<400> 57

Pro Val Leu Asp Leu Phe Arg Asn Leu Leu Glu Glu Leu Leu Lys Ala  
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Leu Glu Gln Lys Leu Lys  
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Leu Lys Gln Lys Leu  
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<400> 59

Leu Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Glu Leu Leu Glu Ala  
1 5 10 15

Leu Lys Gln Lys Leu Lys  
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20700ISeq List\_ST25.txt

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Leu Lys Gln

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<400> 61

Pro Val Leu Asp Glu Phe Arg Trp Lys Leu Asn Glu Xaa Leu Glu Ala  
1 5 10 15

Leu Lys Gln Lys Leu Lys  
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Pro Val Leu Asp Glu Trp Arg Glu Lys Leu Asn Glu Xaa Leu Glu Ala  
1 5 10 15

Leu Lys Gln Lys Leu Lys  
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Pro Val Leu Asp Phe Phe Arg Glu Lys Leu Asn Glu Xaa Leu Glu Ala  
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Leu Lys Gln Lys Leu Lys  
20

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Pro Trp Leu Asp Glu Phe Arg Glu Lys Leu Asn Glu Xaa Leu Glu Ala  
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Leu Lys Gln Lys Leu Lys  
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Lys Gln Lys Leu Lys  
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<400> 66

Pro Val Leu Asp Leu Phe Arg Asn Leu Leu Glu Glu Leu Leu Glu Ala  
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Leu Gln Lys Lys Leu Lys  
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<400> 67

Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Glu Leu Leu Glu Ala Leu  
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Lys Gln Lys Leu Lys  
20

<210> 68  
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<400> 68

Pro Val Leu Asp Glu Phe Arg Glu Leu Leu Lys Glu Xaa Leu Glu Ala  
1 5 10 15

Leu Lys Gln Lys Leu Lys  
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20700ISeq List\_ST25.txt

<210> 69  
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 <223> Xaa = Aib

<400> 69

Pro Val Leu Asp Glu Phe Arg Lys Lys Leu Asn Glu Xaa Leu Glu Ala  
 1 5 10 15

Leu Lys Gln Lys Leu Lys  
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<210> 70  
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 <223> Xaa = Aib

<400> 70

Pro Val Leu Asp Glu Phe Arg Glu Leu Leu Tyr Glu Xaa Leu Glu Ala  
 1 5 10 15

Leu Lys Gln Lys Leu Lys  
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<210> 71  
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 <223> Xaa = Aib



20700ISeq List\_ST25.txt

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<223> xaa = Aib

<400> 71

Pro Val Leu Asp Glu Phe Arg Glu Lys Leu Asn Glu Leu Xaa Glu Ala  
1 5 10 15

Leu Lys Gln Lys Leu Lys  
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<210> 72

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<212> PRT

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<400> 72

Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Glu Xaa Leu Trp Ala  
1 5 10 15

Leu Lys Gln Lys Leu Lys  
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<210> 73

<211> 22

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<223> xaa = Aib

<400> 73

Pro Val Leu Asp Glu Phe Trp Glu Lys Leu Asn Glu Xaa Leu Glu Ala  
1 5 10 15

Leu Lys Gln Lys Leu Lys  
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20700ISeq List\_ST25.txt

<210> 74  
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 <223> xaa = Aib

<400> 74

Pro Val Leu Asp Lys Phe Arg Glu Lys Leu Asn Glu Xaa Leu Glu Ala  
 1 5 10 15

Leu Lys Gln Lys Leu Lys  
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<210> 75  
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<400> 75

Pro Val Leu Asp Glu Phe Arg Glu Lys Leu Asn Glu Glu Leu Glu Ala  
 1 5 10 15

Leu Lys Gln Lys Leu Lys  
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<210> 76  
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<400> 76

Pro Val Leu Asp Glu Phe Arg Glu Leu Leu Phe Glu Xaa Leu Glu Ala  
 1 5 10 15

Leu Lys Gln Lys Leu Lys

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<210> 77  
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<400> 77

Pro Val Leu Asp Glu Phe Arg Glu Lys Leu Asn Lys Xaa Leu Glu Ala  
 1 5 10 15

Leu Lys Gln Lys Leu Lys  
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<210> 78  
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Pro Val Leu Asp Glu Phe Arg Asp Lys Leu Asn Glu Xaa Leu Glu Ala  
 1 5 10 15

Leu Lys Gln Lys Leu Lys  
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<210> 79  
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<400> 79

Pro Val Leu Asp Glu Phe Arg Glu Leu Leu Asn Glu Leu Leu Glu Ala  
 1 5 10 15

20700ISeq List\_ST25.txt

Leu Lys Gln Lys Leu Lys  
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<210> 80  
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Pro Val Leu Asp Leu Phe Glu Arg Leu Leu Asn Glu Leu Leu Glu Ala  
1 5 10 15

Leu Gln Lys Lys Leu Lys  
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<210> 81  
<211> 22  
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<400> 81

Pro Val Leu Asp Glu Phe Arg Glu Lys Leu Asn Trp Xaa Leu Glu Ala  
1 5 10 15

Leu Lys Gln Lys Leu Lys  
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<210> 82  
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<400> 82

20700ISeq List\_ST25.txt

Leu Asp Glu Phe Arg Glu Lys Leu Asn Glu Xaa Leu Glu Ala Leu Lys  
1 5 10 15

Gln Lys Leu Lys  
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<210> 83  
<211> 22  
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<223> Xaa = Aib

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Pro Val Leu Asp Glu Phe Arg Glu Lys Leu Asn Glu Xaa Leu Glu Ala  
1 5 10 15

Leu Trp Gln Lys Leu Lys  
20

<210> 84  
<211> 22  
<212> PRT  
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<220>  
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<400> 84

Pro Val Leu Asp Glu Phe Arg Glu Lys Leu Asn Glu Leu Leu Glu Ala  
1 5 10 15

Leu Lys Gln Lys Leu Lys  
20

<210> 85  
<211> 21  
<212> PRT  
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<220>  
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<400> 85

Pro Leu Asp Leu Phe Arg Glu Leu Leu Asn Glu Leu Leu Glu Ala Leu  
1 5 10 15

20700ISeq List\_ST25.txt

Lys Gln Lys Leu Lys  
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<210> 86  
<211> 22  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Synthetic Peptide

<400> 86

Pro Val Leu Glu Leu Phe Glu Arg Leu Leu Asp Glu Leu Leu Asn Ala  
1 5 10 15

Leu Gln Lys Lys Leu Lys  
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<210> 87  
<211> 22  
<212> PRT  
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<222> (1)..(22)  
<223> All amino acids are in the D-configuration

<400> 87

Pro Leu Leu Glu Leu Leu Lys Glu Leu Leu Gln Glu Leu Leu Glu Ala  
1 5 10 15

Leu Lys Gln Lys Leu Lys  
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<210> 88  
<211> 22  
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<223> Synthetic Peptide

<220>  
<221> misc\_feature  
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<223> Xaa = Aib

<400> 88

20700ISeq List\_ST25.txt

Pro Val Leu Asp Lys Phe Arg Glu Leu Leu Asn Glu Xaa Leu Glu Ala  
1 5 10 15

Leu Lys Gln Lys Leu Lys  
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<210> 89  
<211> 22  
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<222> (13)..(13)  
<223> Xaa = Aib

<400> 89

Pro Val Leu Asp Glu Phe Arg Glu Lys Leu Asn Glu Xaa Leu Trp Ala  
1 5 10 15

Leu Lys Gln Lys Leu Lys  
20

<210> 90  
<211> 19  
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<220>  
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<400> 90

Asp Glu Phe Arg Glu Lys Leu Asn Glu Xaa Leu Glu Ala Leu Lys Gln  
1 5 10 15

Lys Leu Lys

<210> 91  
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<223> Synthetic Peptide

<220>

<221> misc\_feature

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<223> xaa = Aib

<400> 91

Pro Val Leu Asp Glu Phe Arg Glu Leu Leu Asn Glu Xaa Leu Glu Ala  
1 5 10 15

Leu Lys Gln Lys Leu Lys  
20

<210> 92

<211> 22

<212> PRT

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<221> misc\_feature

<222> (13)..(13)

<223> xaa = Aib

<400> 92

Pro Val Leu Asp Glu Phe Arg Glu Leu Tyr Asn Glu Xaa Leu Glu Ala  
1 5 10 15

Leu Lys Gln Lys Leu Lys  
20

<210> 93

<211> 22

<212> PRT

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<221> misc\_feature

<222> (13)..(13)

<223> xaa = Aib

<400> 93

Pro Val Leu Asp Glu Phe Arg Glu Lys Leu Asn Glu Xaa Leu Lys Ala  
1 5 10 15

Leu Lys Gln Lys Leu Lys



20

<210> 94  
 <211> 22  
 <212> PRT  
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<220>  
 <223> Synthetic Peptide

<400> 94

Pro Val Leu Asp Glu Phe Arg Glu Lys Leu Asn Glu Ala Leu Glu Ala  
 1 5 10 15

Leu Lys Gln Lys Leu Lys  
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<210> 95  
 <211> 22  
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 <222> (13)..(13)  
 <223> Xaa = Aib

<400> 95

Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Leu Xaa Leu Glu Ala  
 1 5 10 15

Leu Lys Gln Lys Leu Lys  
 20

<210> 96  
 <211> 22  
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<220>  
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 <222> (1)..(22)  
 <223> All genetically encoded amino acids are in the D-configuration

<220>  
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 <222> (13)..(13)  
 <223> Xaa = Aib

20700ISeq List\_ST25.txt

<400> 96

Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Glu Xaa Leu Glu Ala  
1 5 10 15

Leu Lys Gln Lys Leu Lys  
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<210> 97

<211> 15

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic Peptide

<400> 97

Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Glu Leu Leu Glu  
1 5 10 15

<210> 98

<211> 22

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic Peptide

<400> 98

Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Glu Glu Leu Glu Ala  
1 5 10 15

Leu Lys Gln Lys Leu Lys  
20

<210> 99

<211> 22

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic Peptide

<400> 99

Lys Leu Lys Gln Lys Leu Ala Glu Leu Leu Glu Asn Leu Leu Glu Arg  
1 5 10 15

Phe Leu Asp Leu Val Pro  
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<210> 100

<211> 22

<212> PRT  
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 <222> (1)..(22)  
 <223> All amino acids are in the D-configuration

<400> 100

Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Glu Leu Leu Glu Ala  
 1 5 10 15

Leu Lys Gln Lys Leu Lys  
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<210> 101  
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Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Trp Xaa Leu Glu Ala  
 1 5 10 15

Leu Lys Gln Lys Leu Lys  
 20

<210> 102  
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 <222> (13)..(13)  
 <223> Xaa = Aib

<400> 102

Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Leu Xaa Leu Glu Ala  
 Page 35

1 5 15

Leu Lys Glu Lys Leu Lys  
20

<210> 103  
<211> 22  
<212> PRT  
<213> Artificial Sequence

<220>  
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<400> 103

Pro Val Leu Asp Glu Phe Arg Glu Leu Leu Asn Glu Glu Leu Glu Ala  
1 5 10 15

Leu Lys Gln Lys Leu Lys  
20

<210> 104  
<211> 15  
<212> PRT  
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<220>  
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<400> 104

Pro Leu Leu Asn Glu Leu Leu Glu Ala Leu Lys Gln Lys Leu Lys  
1 5 10 15

<210> 105  
<211> 22  
<212> PRT  
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<220>  
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<400> 105

Pro Ala Ala Asp Ala Phe Arg Glu Ala Ala Asn Glu Ala Ala Glu Ala  
1 5 10 15

Ala Lys Gln Lys Ala Lys  
20

<210> 106  
<211> 22  
<212> PRT  
<213> Artificial Sequence

<220>

<223> Synthetic Peptide

<400> 106

Pro Val Leu Asp Leu Phe Arg Glu Lys Leu Asn Glu Glu Leu Glu Ala  
1 5 10 15

Leu Lys Gln Lys Leu Lys  
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<210> 107

<211> 22

<212> PRT

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<220>

<223> Synthetic Peptide

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<221> misc\_feature

<222> (1)..(22)

<223> All amino acids are in the D-configuration

<400> 107

Lys Leu Lys Gln Lys Leu Ala Glu Leu Leu Glu Asn Leu Leu Glu Arg  
1 5 10 15

Phe Leu Asp Leu Val Pro  
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<210> 108

<211> 22

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic Peptide

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<221> misc\_feature

<222> (13)..(13)

<223> Xaa = Aib

<400> 108

Pro Val Leu Asp Leu Phe Arg Trp Leu Leu Asn Glu Xaa Leu Glu Ala  
1 5 10 15

Leu Lys Gln Lys Leu Lys  
20

<210> 109

<211> 22

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic Peptide

<400> 109

Pro Val Leu Asp Glu Phe Arg Glu Lys Leu Asn Glu Arg Leu Glu Ala  
1 5 10 15

Leu Lys Gln Lys Leu Lys  
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<210> 110

<211> 22

<212> PRT

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<222> (14)..(14)

<223> xaa = Aib

<400> 110

Pro Val Leu Asp Glu Phe Arg Glu Lys Leu Asn Glu Xaa Xaa Glu Ala  
1 5 10 15

Leu Lys Gln Lys Leu Lys  
20

<210> 111

<211> 22

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic Peptide

<220>

<221> misc\_feature

<222> (13)..(13)

<223> xaa = Aib

<400> 111

Pro Val Leu Asp Glu Phe Arg Glu Lys Leu Trp Glu Xaa Trp Glu Ala  
1 5 10 15

20700ISeq List\_ST25.txt

Leu Lys Gln Lys Leu Lys  
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<210> 112  
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<220>  
<221> misc\_feature  
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<223> Xaa = Aib

<400> 112

Pro Val Leu Asp Glu Phe Arg Glu Lys Leu Asn Glu Xaa Ser Glu Ala  
1 5 10 15

Leu Lys Gln Lys Leu Lys  
20

<210> 113  
<211> 22  
<212> PRT  
<213> Artificial Sequence

<220>  
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<400> 113

Pro Val Leu Asp Glu Phe Arg Glu Lys Leu Asn Glu Pro Leu Glu Ala  
1 5 10 15

Leu Lys Gln Lys Leu Lys  
20

<210> 114  
<211> 22  
<212> PRT  
<213> Artificial Sequence

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<223> Synthetic Peptide

<220>  
<221> misc\_feature  
<222> (13)..(13)  
<223> Xaa = Aib

<400> 114

20700ISeq List\_ST25.txt

Pro Val Leu Asp Glu Phe Arg Glu Lys Leu Asn Glu Xaa Met Glu Ala  
1 5 10 15

Leu Lys Gln Lys Leu Lys  
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<210> 115  
<211> 22  
<212> PRT  
<213> Artificial Sequence

<220>  
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<220>  
<221> misc\_feature  
<222> (13)..(13)  
<223> Xaa = Aib

<400> 115

Pro Lys Leu Asp Glu Phe Arg Glu Lys Leu Asn Glu Xaa Leu Glu Ala  
1 5 10 15

Leu Lys Gln Lys Leu Lys  
20

<210> 116  
<211> 22  
<212> PRT  
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<220>  
<221> misc\_feature  
<222> (13)..(13)  
<223> Xaa = Aib

<400> 116

Pro His Leu Asp Glu Phe Arg Glu Lys Leu Asn Glu Xaa Leu Glu Ala  
1 5 10 15

Leu Lys Gln Lys Leu Lys  
20

<210> 117  
<211> 22  
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20700ISeq List\_ST25.txt

<220>

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<222> (13)..(13)

<223> Xaa = Aib

<400> 117

Pro Glu Leu Asp Glu Phe Arg Glu Lys Leu Asn Glu Xaa Leu Glu Ala  
1 5 10 15

Leu Lys Gln Lys Leu Lys  
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<210> 118

<211> 22

<212> PRT

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<220>

<223> Synthetic Peptide

<220>

<221> misc\_feature

<222> (13)..(13)

<223> Xaa = Aib

<400> 118

Pro Val Leu Asp Glu Phe Arg Glu Lys Leu Asn Glu Xaa Leu Glu Ala  
1 5 10 15

Leu Glu Gln Lys Leu Lys  
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<210> 119

<211> 22

<212> PRT

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<220>

<221> misc\_feature

<222> (17)..(17)

<223> Xaa = Aib

<400> 119

Pro Val Leu Asp Glu Phe Arg Glu Lys Leu Asn Glu Glu Leu Glu Ala  
1 5 10 15

Xaa Lys Gln Lys Leu Lys  
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20700ISeq List\_ST25.txt

<210> 120  
 <211> 22  
 <212> PRT  
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<220>  
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 <222> (16)..(16)  
 <223> Xaa = Aib

<400> 120

Pro Val Leu Asp Glu Phe Arg Glu Lys Leu Asn Glu Glu Leu Glu Xaa  
 1 5 10 15

Leu Lys Gln Lys Leu Lys  
 20

<210> 121  
 <211> 22  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Synthetic Peptide

<400> 121

Pro Val Leu Asp Glu Phe Arg Glu Lys Leu Asn Glu Glu Leu Glu Ala  
 1 5 10 15

Leu Trp Gln Lys Leu Lys  
 20

<210> 122  
 <211> 22  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Synthetic Peptide

<400> 122

Pro Val Leu Asp Glu Phe Arg Glu Lys Leu Asn Glu Glu Leu Glu Trp  
 1 5 10 15

Leu Lys Gln Lys Leu Lys  
 20

<210> 123

20700ISeq List\_ST25.txt

<211> 22  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Synthetic Peptide

<400> 123

Gln Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Glu Leu Leu Glu Ala  
 1 5 10 15

Leu Lys Gln Lys Leu Lys  
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<210> 124  
 <211> 22  
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<220>  
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<220>  
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 <222> (20)..(20)  
 <223> Xaa = Orn

<220>  
 <221> misc\_feature  
 <222> (22)..(22)  
 <223> Xaa = Orn

<400> 124

Pro Val Leu Asp Leu Phe Xaa Glu Leu Leu Asn Glu Leu Leu Glu Ala  
 1 5 10 15

Leu Xaa Gln Xaa Leu Xaa  
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<210> 125  
 <211> 22  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Synthetic Peptide

20700ISeq List\_ST25.txt

<400> 125

Asn Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Glu Leu Leu Glu Ala  
1 5 10 15

Leu Lys Gln Lys Leu Lys  
20

<210> 126

<211> 22

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic Peptide

<400> 126

Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Glu Leu Gly Glu Ala  
1 5 10 15

Leu Lys Gln Lys Leu Lys  
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<210> 127

<211> 22

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic Peptide

<400> 127

Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Glu Leu Leu Glu Leu  
1 5 10 15

Leu Lys Gln Lys Leu Lys  
20

<210> 128

<211> 22

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic Peptide

<400> 128

Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Glu Leu Leu Glu Phe  
1 5 10 15

Leu Lys Gln Lys Leu Lys  
20

20700ISeq List\_ST25.txt

<210> 129  
 <211> 22  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Synthetic Peptide

<400> 129

Pro Val Leu Glu Leu Phe Asn Asp Leu Leu Arg Glu Leu Leu Glu Ala  
 1 5 10 15

Leu Gln Lys Lys Leu Lys  
 20

<210> 130  
 <211> 22  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Synthetic Peptide

<400> 130

Pro Val Leu Glu Leu Phe Asn Asp Leu Leu Arg Glu Leu Leu Glu Ala  
 1 5 10 15

Leu Lys Gln Lys Leu Lys  
 20

<210> 131  
 <211> 22  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Synthetic Peptide

<400> 131

Pro Val Leu Glu Leu Phe Lys Glu Leu Leu Asn Glu Leu Leu Asp Ala  
 1 5 10 15

Leu Arg Gln Lys Leu Lys  
 20

<210> 132  
 <211> 22  
 <212> PRT  
 <213> Artificial Sequence

<220>  
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20700ISeq List\_ST25.txt

<400> 132

Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Glu Asn Leu Leu Glu Ala  
1 5 10 15

Leu Gln Lys Lys Leu Lys  
20

<210> 133

<211> 22

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic Peptide

<400> 133

Pro Val Leu Glu Leu Phe Glu Arg Leu Leu Glu Asp Leu Leu Gln Ala  
1 5 10 15

Leu Asn Lys Lys Leu Lys  
20

<210> 134

<211> 22

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic Peptide

<400> 134

Pro Val Leu Glu Leu Phe Glu Arg Leu Leu Glu Asp Leu Leu Lys Ala  
1 5 10 15

Leu Asn Gln Lys Leu Lys  
20

<210> 135

<211> 22

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic Peptide

<400> 135

Asp Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Glu Leu Leu Glu Ala  
1 5 10 15

Leu Lys Gln Lys Leu Lys  
20

20700ISeq List\_ST25.txt

<210> 136  
 <211> 22  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Synthetic Peptide

<400> 136

Pro Ala Leu Glu Leu Phe Lys Asp Leu Leu Gln Glu Leu Leu Glu Ala  
 1 5 10 15

Leu Lys Gln Lys Leu Lys  
 20

<210> 137  
 <211> 22  
 <212> PRT  
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<220>  
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<220>  
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 <222> (17)..(17)  
 <223> Xaa = Naphthylalanine

<400> 137

Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Glu Gly Leu Glu Ala  
 1 5 10 15

Xaa Lys Gln Lys Leu Lys  
 20

<210> 138  
 <211> 22  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Synthetic Peptide

<400> 138

Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Glu Gly Leu Glu Trp  
 1 5 10 15

Leu Lys Gln Lys Leu Lys  
 20

<210> 139

20700ISeq List\_ST25.txt

<211> 22  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Synthetic Peptide

<400> 139

Pro Val Leu Asp Leu Phe Arg Glu Leu Trp Asn Glu Gly Leu Glu Ala  
 1 5 10 15

Leu Lys Gln Lys Leu Lys  
 20

<210> 140  
 <211> 22  
 <212> PRT  
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 <222> (18)..(18)  
 <223> Xaa = Orn

<220>  
 <221> misc\_feature  
 <222> (20)..(20)  
 <223> Xaa = Orn

<220>  
 <221> misc\_feature  
 <222> (22)..(22)  
 <223> Xaa = Orn

<400> 140

Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Glu Gly Leu Glu Ala  
 1 5 10 15

Leu Xaa Gln Xaa Leu Xaa  
 20

<210> 141  
 <211> 22  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Synthetic Peptide

<400> 141

Pro Val Leu Asp Phe Phe Arg Glu Leu Leu Asn Glu Gly Leu Glu Ala  
 1 5 10 15



20700ISeq List\_ST25.txt

Leu Lys Gln Lys Leu Lys  
20

<210> 142  
<211> 22  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Synthetic Peptide

<400> 142

Pro Val Leu Glu Leu Phe Arg Glu Leu Leu Asn Glu Gly Leu Glu Ala  
1 5 10 15

Leu Lys Gln Lys Leu Lys  
20

<210> 143  
<211> 22  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Synthetic Peptide

<220>  
<221> misc\_feature  
<222> (1)..(22)  
<223> N-terminal acetylated and C-terminal amidated peptide

<400> 143

Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Glu Gly Leu Glu Ala  
1 5 10 15

Leu Lys Gln Lys Leu Lys  
20

<210> 144  
<211> 22  
<212> PRT  
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<220>  
<223> Synthetic Peptide

<220>  
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<222> (1)..(1)  
<223> Xaa = D-Pro

<400> 144

20700ISeq List\_ST25.txt

Xaa Val Leu Glu Leu Phe Glu Asn Leu Leu Glu Arg Leu Leu Asp Ala  
1 5 10 15

Leu Gln Lys Lys Leu Lys  
20

<210> 145  
<211> 22  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Synthetic Peptide

<400> 145

Gly Val Leu Glu Leu Phe Glu Asn Leu Leu Glu Arg Leu Leu Asp Ala  
1 5 10 15

Leu Gln Lys Lys Leu Lys  
20

<210> 146  
<211> 22  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Synthetic Peptide

<400> 146

Pro Val Leu Glu Leu Phe Glu Asn Leu Leu Glu Arg Leu Leu Asp Ala  
1 5 10 15

Leu Gln Lys Lys Leu Lys  
20

<210> 147  
<211> 22  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Synthetic Peptide

<400> 147

Pro Val Leu Glu Leu Phe Glu Asn Leu Leu Glu Arg Leu Phe Asp Ala  
1 5 10 15

Leu Gln Lys Lys Leu Lys  
20

20700ISeq List\_ST25.txt

<210> 148  
 <211> 22  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Synthetic Peptide

<400> 148

Pro Val Leu Glu Leu Phe Glu Asn Leu Leu Glu Arg Leu Gly Asp Ala  
 1 5 10 15

Leu Gln Lys Lys Leu Lys  
 20

<210> 149  
 <211> 22  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Synthetic Peptide

<400> 149

Pro Val Leu Glu Leu Phe Glu Asn Leu Trp Glu Arg Leu Leu Asp Ala  
 1 5 10 15

Leu Gln Lys Lys Leu Lys  
 20

<210> 150  
 <211> 22  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Synthetic Peptide

<400> 150

Pro Leu Leu Glu Leu Phe Glu Asn Leu Leu Glu Arg Leu Leu Asp Ala  
 1 5 10 15

Leu Gln Lys Lys Leu Lys  
 20

<210> 151  
 <211> 22  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Synthetic Peptide

<400> 151

20700ISeq List\_ST25.txt

Pro Val Leu Glu Leu Phe Glu Asn Leu Gly Glu Arg Leu Leu Asp Ala  
1 5 10 15

Leu Gln Lys Lys Leu Lys  
20

<210> 152  
<211> 22  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Synthetic Peptide

<400> 152

Pro Val Phe Glu Leu Phe Glu Asn Leu Leu Glu Arg Leu Leu Asp Ala  
1 5 10 15

Leu Gln Lys Lys Leu Lys  
20

<210> 153  
<211> 22  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Synthetic Peptide

<400> 153

Ala Val Leu Glu Leu Phe Glu Asn Leu Leu Glu Arg Leu Leu Asp Ala  
1 5 10 15

Leu Gln Lys Lys Leu Lys  
20

<210> 154  
<211> 22  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Synthetic Peptide

<400> 154

Pro Val Leu Glu Leu Phe Glu Asn Leu Leu Glu Arg Gly Leu Asp Ala  
1 5 10 15

Leu Gln Lys Lys Leu Lys  
20

20700ISeq List\_ST25.txt

<210> 155  
 <211> 22  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Synthetic Peptide

<400> 155

Pro Val Leu Glu Leu Phe Leu Asn Leu Trp Glu Arg Leu Leu Asp Ala  
 1 5 10 15

Leu Gln Lys Lys Leu Lys  
 20

<210> 156  
 <211> 22  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Synthetic Peptide

<400> 156

Pro Val Leu Glu Leu Phe Leu Asn Leu Leu Glu Arg Leu Leu Asp Ala  
 1 5 10 15

Leu Gln Lys Lys Leu Lys  
 20

<210> 157  
 <211> 22  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Synthetic Peptide

<400> 157

Pro Val Leu Glu Phe Phe Glu Asn Leu Leu Glu Arg Leu Leu Asp Ala  
 1 5 10 15

Leu Gln Lys Lys Leu Lys  
 20

<210> 158  
 <211> 22  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Synthetic Peptide

<400> 158

20700ISeq List\_ST25.txt

Pro Val Leu Glu Leu Phe Leu Asn Leu Leu Glu Arg Leu Leu Asp Trp  
1 5 10 15

Leu Gln Lys Lys Leu Lys  
20

<210> 159  
<211> 22  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Synthetic Peptide

<400> 159

Pro Val Leu Asp Leu Phe Glu Asn Leu Leu Glu Arg Leu Leu Asp Ala  
1 5 10 15

Leu Gln Lys Lys Leu Lys  
20

<210> 160  
<211> 22  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Synthetic Peptide

<400> 160

Pro Val Leu Glu Leu Phe Glu Asn Leu Leu Glu Arg Leu Leu Asp Trp  
1 5 10 15

Leu Gln Lys Lys Leu Lys  
20

<210> 161  
<211> 22  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Synthetic Peptide

<400> 161

Pro Val Leu Glu Leu Phe Glu Asn Leu Leu Glu Arg Leu Leu Glu Ala  
1 5 10 15

Leu Gln Lys Lys Leu Lys  
20

20700ISeq List\_ST25.txt

<210> 162  
 <211> 22  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Synthetic Peptide

<400> 162

Pro Val Leu Glu Leu Phe Glu Asn Trp Leu Glu Arg Leu Leu Asp Ala  
 1 5 10 15

Leu Gln Lys Lys Leu Lys  
 20

<210> 163  
 <211> 22  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Synthetic Peptide

<400> 163

Pro Val Leu Glu Leu Phe Glu Asn Leu Leu Glu Arg Leu Trp Asp Ala  
 1 5 10 15

Leu Gln Lys Lys Leu Lys  
 20

<210> 164  
 <211> 22  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Synthetic Peptide

<400> 164

Pro Val Leu Glu Leu Phe Glu Asn Leu Leu Glu Arg Leu Leu Asp Ala  
 1 5 10 15

Trp Gln Lys Lys Leu Lys  
 20

<210> 165  
 <211> 22  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Synthetic Peptide

<400> 165

20700ISeq List\_ST25.txt

Pro Val Leu Glu Leu Phe Glu Asn Leu Leu Glu Arg Leu Leu Asp Leu  
1 5 10 15

Leu Gln Lys Lys Leu Lys  
20

<210> 166  
<211> 22  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Synthetic Peptide

<400> 166

Pro Val Leu Glu Leu Phe Leu Asn Leu Leu Glu Lys Leu Leu Asp Ala  
1 5 10 15

Leu Gln Lys Lys Leu Lys  
20

<210> 167  
<211> 22  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Synthetic Peptide

<400> 167

Pro Val Leu Glu Leu Phe Glu Asn Gly Leu Glu Arg Leu Leu Asp Ala  
1 5 10 15

Leu Gln Lys Lys Leu Lys  
20

<210> 168  
<211> 22  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Synthetic Peptide

<400> 168

Pro Val Leu Glu Leu Phe Glu Gln Leu Leu Glu Lys Leu Leu Asp Ala  
1 5 10 15

Leu Gln Lys Lys Leu Lys  
20



20700ISeq List\_ST25.txt

<210> 169  
 <211> 22  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Synthetic Peptide

<400> 169

Pro Val Leu Glu Leu Phe Glu Asn Leu Leu Glu Lys Leu Leu Asp Ala  
 1 5 10 15

Leu Gln Lys Lys Leu Lys  
 20

<210> 170  
 <211> 22  
 <212> PRT  
 <213> Artificial Sequence

<220>  
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<220>  
 <221> misc\_feature  
 <222> (12)..(12)  
 <223> Xaa = Orn

<220>  
 <221> misc\_feature  
 <222> (19)..(19)  
 <223> Xaa = Orn

<220>  
 <221> misc\_feature  
 <222> (20)..(20)  
 <223> Xaa = Orn

<220>  
 <221> misc\_feature  
 <222> (22)..(22)  
 <223> Xaa = Orn

<400> 170

Pro Val Leu Glu Leu Phe Glu Asn Leu Leu Glu Xaa Leu Leu Asp Ala  
 1 5 10 15

Leu Gln Xaa Xaa Leu Xaa  
 20

<210> 171  
 <211> 22  
 <212> PRT  
 <213> Artificial Sequence

<220>

<223> Synthetic Peptide

<400> 171

Pro Val Leu Glu Leu Phe Glu Asn Leu Leu Glu Lys Leu Leu Asp Leu  
1 5 10 15

Leu Gln Lys Lys Leu Lys  
20

<210> 172

<211> 22

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic Peptide

<400> 172

Pro Val Leu Glu Leu Phe Leu Asn Leu Leu Glu Arg Leu Gly Asp Ala  
1 5 10 15

Leu Gln Lys Lys Leu Lys  
20

<210> 173

<211> 22

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic Peptide

<400> 173

Pro Val Leu Asp Leu Phe Asp Asn Leu Leu Asp Arg Leu Leu Asp Leu  
1 5 10 15

Leu Asn Lys Lys Leu Lys  
20

<210> 174

<211> 22

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic Peptide

<220>

<221> misc\_feature

<222> (1)..(22)

<223> All amino acids are in the D-configuration

<400> 174

20700ISeq List\_ST25.txt

Pro Val Leu Glu Leu Phe Glu Asn Leu Leu Glu Arg Leu Leu Asp Ala  
1 5 10 15

Leu Gln Lys Lys Leu Lys  
20

<210> 175  
<211> 22  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Synthetic Peptide

<400> 175

Pro Val Leu Glu Leu Phe Glu Asn Leu Leu Glu Arg Leu Leu Glu Leu  
1 5 10 15

Leu Asn Lys Lys Leu Lys  
20

<210> 176  
<211> 22  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Synthetic Peptide

<400> 176

Pro Val Leu Glu Leu Trp Glu Asn Leu Leu Glu Arg Leu Leu Asp Ala  
1 5 10 15

Leu Gln Lys Lys Leu Lys  
20

<210> 177  
<211> 22  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Synthetic Peptide

<400> 177

Gly Val Leu Glu Leu Phe Leu Asn Leu Leu Glu Arg Leu Leu Asp Ala  
1 5 10 15

Leu Gln Lys Lys Leu Lys  
20

20700ISeq List\_ST25.txt

<210> 178  
 <211> 22  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Synthetic Peptide

<400> 178

Pro Val Leu Glu Leu Phe Asp Asn Leu Leu Glu Lys Leu Leu Glu Ala  
 1 5 10 15

Leu Gln Lys Lys Leu Arg  
 20

<210> 179  
 <211> 22  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Synthetic Peptide

<400> 179

Pro Val Leu Glu Leu Phe Asp Asn Leu Leu Glu Arg Leu Leu Asp Ala  
 1 5 10 15

Leu Gln Lys Lys Leu Lys  
 20

<210> 180  
 <211> 22  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Synthetic Peptide

<400> 180

Pro Val Leu Glu Leu Phe Asp Asn Leu Leu Asp Lys Leu Leu Asp Ala  
 1 5 10 15

Leu Gln Lys Lys Leu Arg  
 20

<210> 181  
 <211> 22  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Synthetic Peptide

<400> 181

20700ISeq List\_ST25.txt

Pro Val Leu Glu Leu Phe Glu Asn Leu Leu Glu Arg Trp Leu Asp Ala  
1 5 10 15

Leu Gln Lys Lys Leu Lys  
20

<210> 182  
<211> 22  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Synthetic Peptide

<400> 182

Pro Val Leu Glu Leu Phe Glu Asn Leu Leu Glu Lys Leu Leu Glu Ala  
1 5 10 15

Leu Gln Lys Lys Leu Lys  
20

<210> 183  
<211> 22  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Synthetic Peptide

<400> 183

Pro Leu Leu Glu Leu Phe Glu Asn Leu Leu Glu Lys Leu Leu Asp Ala  
1 5 10 15

Leu Gln Lys Lys Leu Lys  
20

<210> 184  
<211> 22  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Synthetic Peptide

<400> 184

Pro Val Leu Glu Leu Phe Leu Asn Leu Leu Glu Arg Leu Leu Asp Ala  
1 5 10 15

Trp Gln Lys Lys Leu Lys  
20

20700ISeq List\_ST25.txt

<210> 185  
 <211> 22  
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<220>  
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<220>  
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 <222> (19)..(19)  
 <223> xaa = Orn

<220>  
 <221> misc\_feature  
 <222> (20)..(20)  
 <223> xaa = Orn

<220>  
 <221> misc\_feature  
 <222> (22)..(22)  
 <223> xaa = Orn

<400> 185

Pro Val Leu Glu Leu Phe Glu Asn Leu Leu Glu Arg Leu Leu Asp Ala  
 1 5 10 15

Leu Gln Xaa Xaa Leu Xaa  
 20

<210> 186  
 <211> 22  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Synthetic Peptide

<400> 186

Pro Val Leu Glu Leu Phe Glu Gln Leu Leu Glu Arg Leu Leu Asp Ala  
 1 5 10 15

Leu Gln Lys Lys Leu Lys  
 20

<210> 187  
 <211> 22  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Synthetic Peptide

<400> 187

Pro Val Leu Glu Leu Phe Glu Asn Leu Leu Glu Arg Leu Leu Asp Ala  
 Page 62

1 5 10 15

Leu Asn Lys Lys Leu Lys  
20

<210> 188  
<211> 22  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Synthetic Peptide

<400> 188

Pro Val Leu Glu Leu Phe Glu Asn Leu Leu Asp Arg Leu Leu Asp Ala  
1 5 10 15

Leu Gln Lys Lys Leu Lys  
20

<210> 189  
<211> 22  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Synthetic Peptide

<400> 189

Asp Val Leu Glu Leu Phe Glu Asn Leu Leu Glu Arg Leu Leu Asp Ala  
1 5 10 15

Leu Gln Lys Lys Leu Lys  
20

<210> 190  
<211> 22  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Synthetic Peptide

<400> 190

Pro Val Leu Glu Phe Trp Asp Asn Leu Leu Asp Lys Leu Leu Asp Ala  
1 5 10 15

Leu Gln Lys Lys Leu Arg  
20

<210> 191  
<211> 18

<212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Synthetic Peptide

<220>  
 <221> misc\_feature  
 <222> (1)..(18)  
 <223> N-terminal acetylated and C-terminal amidated

<400> 191

Pro Val Leu Asp Leu Leu Arg Glu Leu Leu Glu Glu Leu Lys Gln Lys  
 1 5 10 15

Leu Lys

<210> 192  
 <211> 18  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Synthetic Peptide

<220>  
 <221> misc\_feature  
 <222> (1)..(18)  
 <223> N-terminal acetylated and C-terminal amidated

<400> 192

Pro Val Leu Asp Leu Phe Lys Glu Leu Leu Glu Glu Leu Lys Gln Lys  
 1 5 10 15

Leu Lys

<210> 193  
 <211> 18  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Synthetic Peptide

<220>  
 <221> misc\_feature  
 <222> (1)..(18)  
 <223> N-terminal acetylated and C-terminal amidated

<400> 193

Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Glu Glu Leu Lys Gln Lys  
 Page 64



1 5 15

Leu Lys

<210> 194  
<211> 18  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Synthetic Peptide

<220>  
<221> misc\_feature  
<222> (1)..(18)  
<223> N-terminal acetylated and C-terminal amidated

<400> 194

Pro Val Leu Glu Leu Phe Arg Glu Leu Leu Glu Glu Leu Lys Gln Lys  
1 5 10 15

Leu Lys

<210> 195  
<211> 18  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Synthetic Peptide

<220>  
<221> misc\_feature  
<222> (1)..(18)  
<223> N-terminal acetylated and C-terminal amidated

<400> 195

Pro Val Leu Glu Leu Phe Lys Glu Leu Leu Glu Glu Leu Lys Gln Lys  
1 5 10 15

Leu Lys

<210> 196  
<211> 18  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Synthetic Peptide

20700ISeq List\_ST25.txt

<220>  
 <221> misc\_feature  
 <222> (1)..(18)  
 <223> N-terminal acetylated and C-terminal amidated

<400> 196

Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Glu Glu Leu Lys Asn Lys  
 1 5 10 15

Leu Lys

<210> 197  
 <211> 18  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Synthetic Peptide

<220>  
 <221> misc\_feature  
 <222> (1)..(18)  
 <223> N-terminal acetylated and C-terminal amidated

<400> 197

Pro Leu Leu Asp Leu Phe Arg Glu Leu Leu Glu Glu Leu Lys Gln Lys  
 1 5 10 15

Leu Lys

<210> 198  
 <211> 18  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Synthetic Peptide

<220>  
 <221> misc\_feature  
 <222> (1)..(18)  
 <223> N-terminal acetylated and C-terminal amidated

<400> 198

Gly Val Leu Asp Leu Phe Arg Glu Leu Leu Glu Glu Leu Lys Gln Lys  
 1 5 10 15

Leu Lys

20700ISeq List\_ST25.txt

<210> 199  
 <211> 18  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Synthetic Peptide

<220>  
 <221> misc\_feature  
 <222> (1)..(18)  
 <223> N-terminal acetylated and C-terminal amidated

<400> 199

Pro Val Leu Asp Leu Phe Arg Glu Leu Trp Glu Glu Leu Lys Gln Lys  
 1 5 10 15

Leu Lys

<210> 200  
 <211> 18  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Synthetic Peptide

<220>  
 <221> misc\_feature  
 <222> (1)..(18)  
 <223> N-terminal acetylated and C-terminal amidated

<400> 200

Asn Val Leu Asp Leu Phe Arg Glu Leu Leu Glu Glu Leu Lys Gln Lys  
 1 5 10 15

Leu Lys

<210> 201  
 <211> 18  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Synthetic Peptide

<220>  
 <221> misc\_feature  
 <222> (1)..(18)  
 <223> N-terminal acetylated and C-terminal amidated

20700ISeq List\_ST25.txt

<400> 201

Pro Leu Leu Asp Leu Phe Lys Glu Leu Leu Glu Glu Leu Lys Gln Lys  
1 5 10 15

Leu Lys

<210> 202

<211> 18

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic Peptide

<220>

<221> misc\_feature

<222> (1)..(18)

<223> N-terminal acetylated and C-terminal amidated

<400> 202

Pro Ala Leu Glu Leu Phe Lys Asp Leu Leu Glu Glu Leu Arg Gln Lys  
1 5 10 15

Leu Arg

<210> 203

<211> 18

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic Peptide

<220>

<221> misc\_feature

<222> (1)..(18)

<223> N-terminal acetylated and C-terminal amidated

<400> 203

Ala Val Leu Asp Leu Phe Arg Glu Leu Leu Glu Glu Leu Lys Gln Lys  
1 5 10 15

Leu Lys

<210> 204

<211> 18

<212> PRT

<213> Artificial Sequence

20700ISeq List\_ST25.txt

<220>  
<223> Synthetic Peptide

<220>  
<221> misc\_feature  
<222> (1)..(18)  
<223> N-terminal acetylated and C-terminal amidated

<400> 204

Pro Val Leu Asp Phe Phe Arg Glu Leu Leu Glu Glu Leu Lys Gln Lys  
1 5 10 15

Leu Lys

<210> 205  
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<220>  
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<400> 205

Pro Val Leu Asp Leu Phe Arg Glu Trp Leu Glu Glu Leu Lys Gln Lys  
1 5 10 15

Leu Lys

<210> 206  
<211> 18  
<212> PRT  
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<220>  
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<400> 206

Pro Leu Leu Glu Leu Leu Lys Glu Leu Leu Glu Glu Leu Lys Gln Lys  
1 5 10 15

Leu Lys

<210> 207  
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<400> 207

Pro Val Leu Glu Leu Leu Lys Glu Leu Leu Glu Glu Leu Lys Gln Lys  
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Leu Lys

<210> 208  
 <211> 18  
 <212> PRT  
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<400> 208

Pro Ala Leu Glu Leu Phe Lys Asp Leu Leu Glu Glu Leu Arg Gln Arg  
 1 5 10 15

Leu Lys

<210> 209  
 <211> 18  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Synthetic Peptide

<400> 209

Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Glu Leu Leu Gln Lys  
 Page 70

1 5 15

Leu Lys

<210> 210  
<211> 18  
<212> PRT  
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<220>  
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<400> 210

Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Glu Glu Leu Lys Gln Lys  
1 5 10 15

Leu Lys

<210> 211  
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<400> 211

Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Glu Glu Leu Xaa Gln Xaa  
1 5 10 15

Leu Xaa

20700ISeq List\_ST25.txt

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<220>  
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 <222> (16)..(16)  
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<400> 212

Pro Val Leu Asp Leu Phe Xaa Glu Leu Leu Glu Glu Leu Xaa Gln Xaa  
 1 5 10 15

Leu Lys

<210> 213  
 <211> 18  
 <212> PRT  
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<400> 213

Pro Ala Leu Glu Leu Phe Lys Asp Leu Leu Glu Glu Phe Arg Gln Arg  
 1 5 10 15

Leu Lys



20700ISeq List\_ST25.txt

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<400> 214

Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Glu Glu Leu Lys Gln Lys  
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Leu Lys

<210> 215  
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<220>  
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<400> 215

Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Glu Glu Trp Lys Gln Lys  
 1 5 10 15

Leu Lys

<210> 216  
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<220>  
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<400> 216

20700ISeq List\_ST25.txt

Pro Val Leu Glu Leu Phe Lys Glu Leu Leu Glu Glu Leu Lys Gln Lys  
1 5 10 15

Leu Lys

<210> 217  
<211> 18  
<212> PRT  
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<220>  
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<400> 217

Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Glu Leu Leu Lys Gln Lys  
1 5 10 15

Leu Lys

<210> 218  
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<220>  
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<400> 218

Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Glu Leu Leu Gln Lys  
1 5 10 15

Leu Lys

<210> 219  
<211> 18  
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<220>  
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<400> 219

Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Glu Leu Trp Gln Lys  
1 5 10 15

Leu Lys

<210> 220  
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 <212> PRT  
 <213> Artificial Sequence

<220>  
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<400> 220

Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Glu Glu Leu Gln Lys Lys  
 1 5 10 15

Leu Lys

<210> 221  
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<220>  
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<220>  
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<400> 221

Asp Val Leu Asp Leu Phe Arg Glu Leu Leu Glu Glu Leu Lys Gln Lys  
 1 5 10 15

Leu Lys

<210> 222  
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 <212> PRT  
 <213> Artificial Sequence

<220>  
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<400> 222

Pro Val Leu Asp Ala Phe Arg Glu Leu Leu Glu Ala Leu Leu Gln Leu  
 1 5 10 15

Lys Lys

20700ISeq List\_ST25.txt

<210> 223  
 <211> 18  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Synthetic Peptide

<400> 223

Pro Val Leu Asp Ala Phe Arg Glu Leu Leu Glu Ala Leu Ala Gln Leu  
 1 5 10 15

Lys Lys

<210> 224  
 <211> 18  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Synthetic Peptide

<400> 224

Pro Val Leu Asp Leu Phe Arg Glu Gly Trp Glu Glu Leu Lys Gln Lys  
 1 5 10 15

Leu Lys

<210> 225  
 <211> 18  
 <212> PRT  
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<220>  
 <223> Synthetic Peptide

<400> 225

Pro Val Leu Asp Ala Phe Arg Glu Leu Ala Glu Ala Leu Ala Gln Leu  
 1 5 10 15

Lys Lys

<210> 226  
 <211> 18  
 <212> PRT  
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<220>

<223> Synthetic Peptide

<400> 226

Pro Val Leu Asp Ala Phe Arg Glu Leu Gly Glu Ala Leu Leu Gln Leu  
1 5 10 15

Lys Lys

<210> 227

<211> 18

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic Peptide

<220>

<221> misc\_feature

<222> (1)..(18)

<223> N-terminal acetylated and C-terminal amidated

<400> 227

Pro Val Leu Asp Leu Phe Arg Glu Leu Gly Glu Glu Leu Lys Gln Lys  
1 5 10 15

Leu Lys

<210> 228

<211> 18

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<220>

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<220>

<221> misc\_feature

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<400> 228

Pro Val Leu Asp Leu Phe Arg Glu Gly Leu Glu Glu Leu Lys Gln Lys  
1 5 10 15

Leu Lys

<210> 229

<211> 18

<212> PRT

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<220>

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<222> (1)..(18)

<223> N-terminal acetylated and C-terminal amidated

<400> 229

Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Glu Glu Gly Lys Gln Lys  
1 5 10 15

Leu Lys

<210> 230

<211> 18

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic Peptide

<400> 230

Pro Val Leu Glu Leu Phe Glu Arg Leu Leu Glu Asp Leu Gln Lys Lys  
1 5 10 15

Leu Lys

<210> 231

<211> 18

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic Peptide

<400> 231

Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Glu Lys Leu Glu Gln Lys  
1 5 10 15

Leu Lys

<210> 232

<211> 18

<212> PRT

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<220>

<223> Synthetic Peptide

<220>

<221> misc\_feature

<222> (1)..(18)

<223> N-terminal acetylated and C-terminal amidated

<400> 232

Pro Leu Leu Glu Leu Phe Lys Glu Leu Leu Glu Glu Leu Lys Gln Lys  
1 5 10 15

Leu Lys

<210> 233

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<400> 236  
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<210> 237

<211> 18

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic Peptide

<400> 237

Leu Asp Asp Leu Leu Gln Lys Trp Ala Glu Ala Phe Asn Gln Leu Leu  
1 5 10 15

Lys Lys

<210> 238

<211> 18

<212> PRT

<213> Artificial Sequence

<220>

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20700ISeq List\_ST25.txt

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 <221> misc\_feature  
 <222> (1)..(18)  
 <223> N-terminal acetylated and C-terminal amidated  
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 Glu Trp Leu Lys Ala Phe Tyr Glu Lys Val Leu Glu Lys Leu Lys Glu  
 1 5 10 15

Leu Phe

<210> 239  
 <211> 18  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Synthetic Peptide

<220>  
 <221> misc\_feature  
 <222> (1)..(18)  
 <223> N-terminal acetylated and C-terminal amidated  
 <400> 239  
 Glu Trp Leu Glu Ala Phe Tyr Lys Lys Val Leu Glu Lys Leu Lys Glu  
 1 5 10 15

Leu Phe

<210> 240  
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<220>  
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<220>  
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 <222> (1)..(18)  
 <223> N-terminal acetylated and C-terminal amidated  
 <400> 240  
 Asp Trp Leu Lys Ala Phe Tyr Asp Lys Val Ala Glu Lys Leu Lys Glu  
 1 5 10 15

Ala Phe



20700ISeq List\_ST25.txt

<210> 241  
 <211> 18  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Synthetic Peptide

<400> 241

Asp Trp Phe Lys Ala Phe Tyr Asp Lys Val Phe Glu Lys Phe Lys Glu  
 1 5 10 15

Phe Phe

<210> 242  
 <211> 18  
 <212> PRT  
 <213> Artificial Sequence

<220>  
 <223> Synthetic Peptide

<400> 242

Gly Ile Lys Lys Phe Leu Gly Ser Ile Trp Lys Phe Ile Lys Ala Phe  
 1 5 10 15

Val Gly

<210> 243  
 <211> 18  
 <212> PRT  
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<220>  
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<400> 243

Asp Trp Phe Lys Ala Phe Tyr Asp Lys Val Ala Glu Lys Phe Lys Glu  
 1 5 10 15

Ala Phe

<210> 244  
 <211> 18  
 <212> PRT  
 <213> Artificial Sequence

<220>  
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20700ISeq List\_ST25.txt

<400> 244

Asp Trp Leu Lys Ala Phe Tyr Asp Lys Val Ala Glu Lys Leu Lys Glu  
1 5 10 15

Ala Phe

<210> 245

<211> 18

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic Peptide

<400> 245

Asp Trp Leu Lys Ala Phe Tyr Asp Lys Val Phe Glu Lys Phe Lys Glu  
1 5 10 15

Phe Phe

<210> 246

<211> 18

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic Peptide

<400> 246

Glu Trp Leu Glu Ala Phe Tyr Lys Lys Val Leu Glu Lys Leu Lys Glu  
1 5 10 15

Leu Phe

<210> 247

<211> 18

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic Peptide

<400> 247

Asp Trp Phe Lys Ala Phe Tyr Asp Lys Phe Phe Glu Lys Phe Lys Glu  
1 5 10 15

Phe Phe

20700ISeq List\_ST25.txt

<210> 248  
 <211> 18  
 <212> PRT  
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<220>  
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<400> 248

Glu Trp Leu Lys Ala Phe Tyr Glu Lys Val Leu Glu Lys Leu Lys Glu  
 1 5 10 15

Leu Phe

<210> 249  
 <211> 18  
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<220>  
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<220>  
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<400> 249

Glu Trp Leu Lys Ala Glu Tyr Glu Lys Val Glu Glu Lys Leu Lys Glu  
 1 5 10 15

Leu Phe

<210> 250  
 <211> 18  
 <212> PRT  
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<220>  
 <221> misc\_feature  
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<400> 250

Glu Trp Leu Lys Ala Glu Tyr Glu Lys Val Leu Glu Lys Leu Lys Glu  
 1 5 10 15

20700ISeq List\_ST25.txt

Leu Phe

<210> 251  
 <211> 18  
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<220>  
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<400> 251

Glu Trp Leu Lys Ala Phe Tyr Lys Lys Val Leu Glu Lys Leu Lys Glu  
 1 5 10 15

Leu Phe

<210> 252  
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<400> 252

Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Glu Gln Lys Leu Lys  
 1 5 10 15

<210> 253  
 <211> 16  
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20700ISeq List\_ST25.txt

<400> 253

Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Glu Glu Leu Lys Gln Lys  
1 5 10 15

<210> 254

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

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<220>

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<222> (1)..(16)

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<400> 254

Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Glu Lys Leu Lys Gln Lys  
1 5 10 15

<210> 255

<211> 15

<212> PRT

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<220>

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<222> (1)..(15)

<223> N-terminal acetylated and C-terminal amidated

<400> 255

Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Glu Lys Leu Gln Lys  
1 5 10 15

<210> 256

<211> 16

<212> PRT

<213> Artificial Sequence

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<223> Synthetic Peptide

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<222> (1)..(16)

<223> N-terminal acetylated and C-terminal amidated

<400> 256

Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Glu Ala Leu Lys Gln Lys

1 5 15

<210> 257  
<211> 16  
<212> PRT  
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<400> 257

Pro Val Leu Asp Leu Phe Glu Asn Leu Leu Glu Arg Leu Lys Gln Lys  
1 5 10 15

<210> 258  
<211> 16  
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<400> 258

Pro Val Leu Asp Leu Phe Arg Glu Leu Leu Asn Glu Leu Lys Gln Lys  
1 5 10 15